

Fig. 1

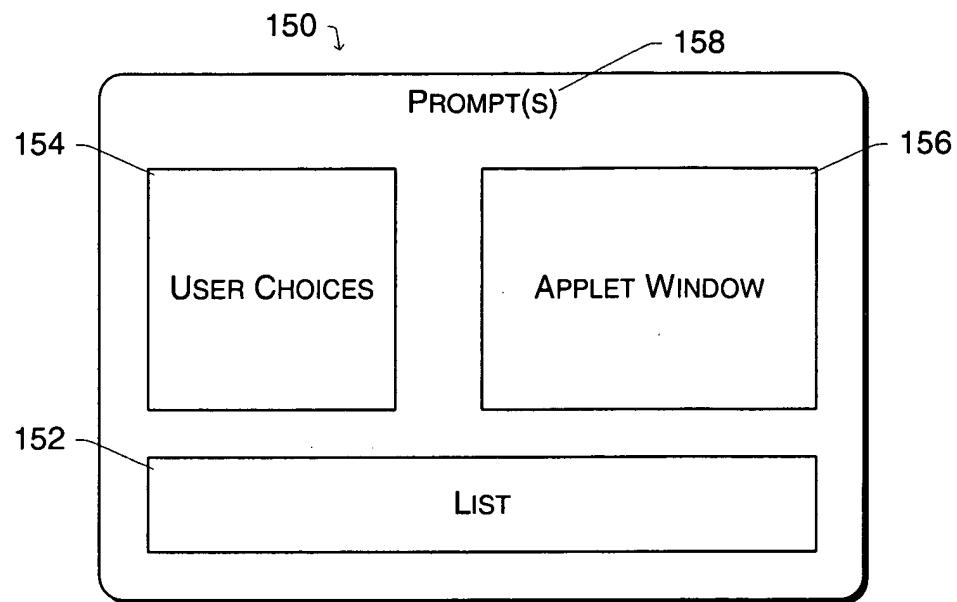


Fig. 2

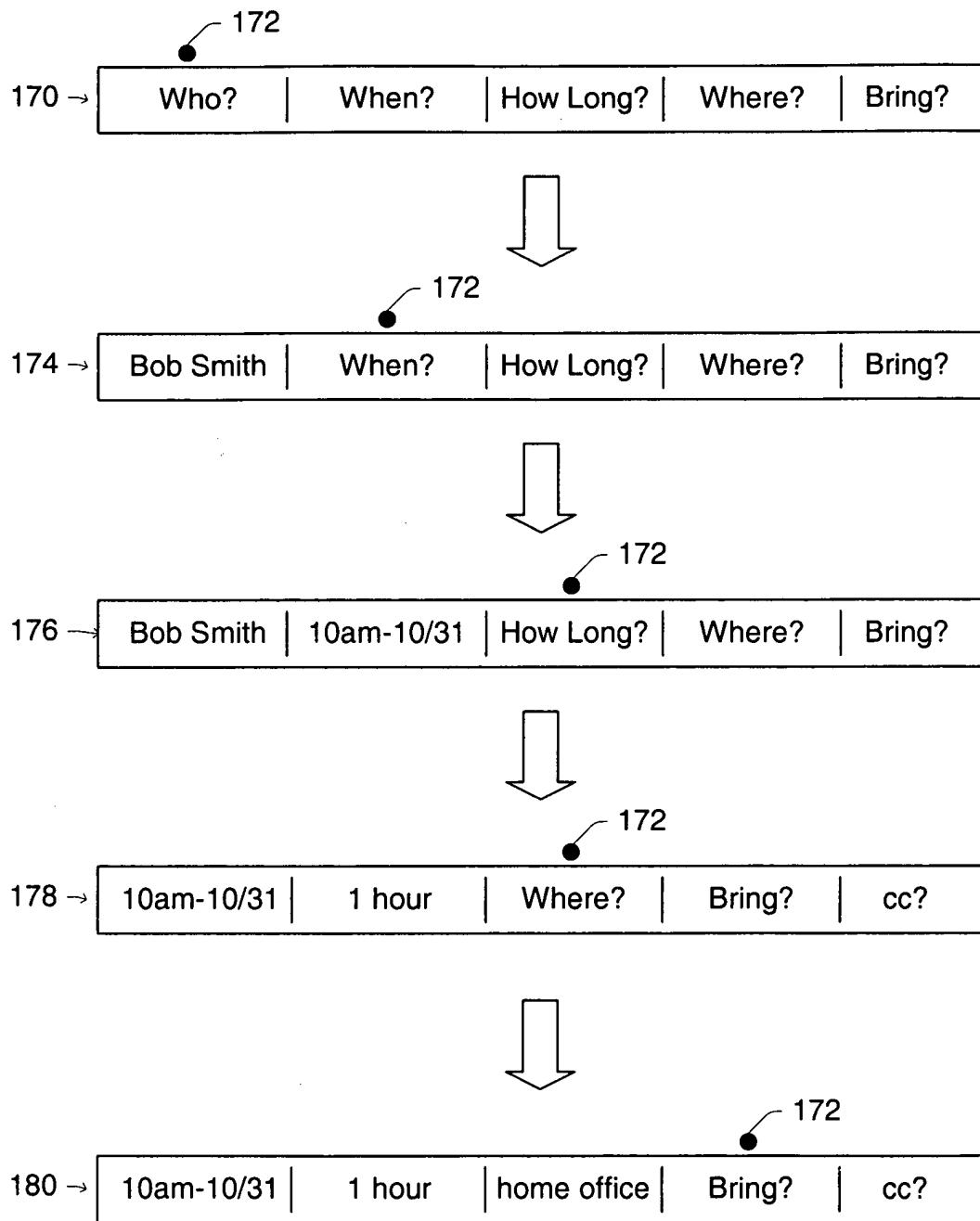
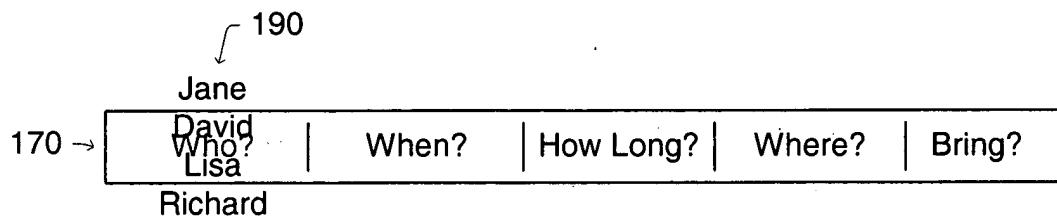
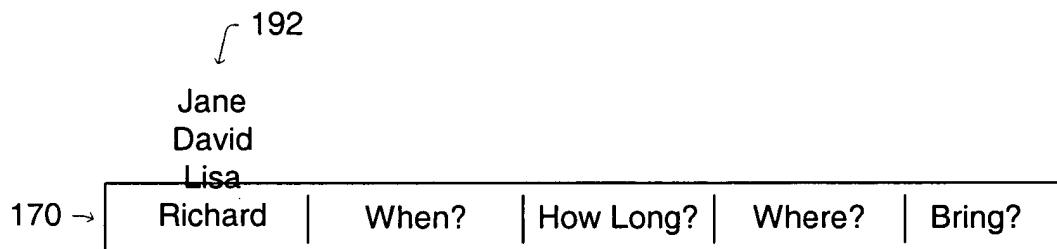


Fig. 3



# Fig. 4A



# Fig. 4B

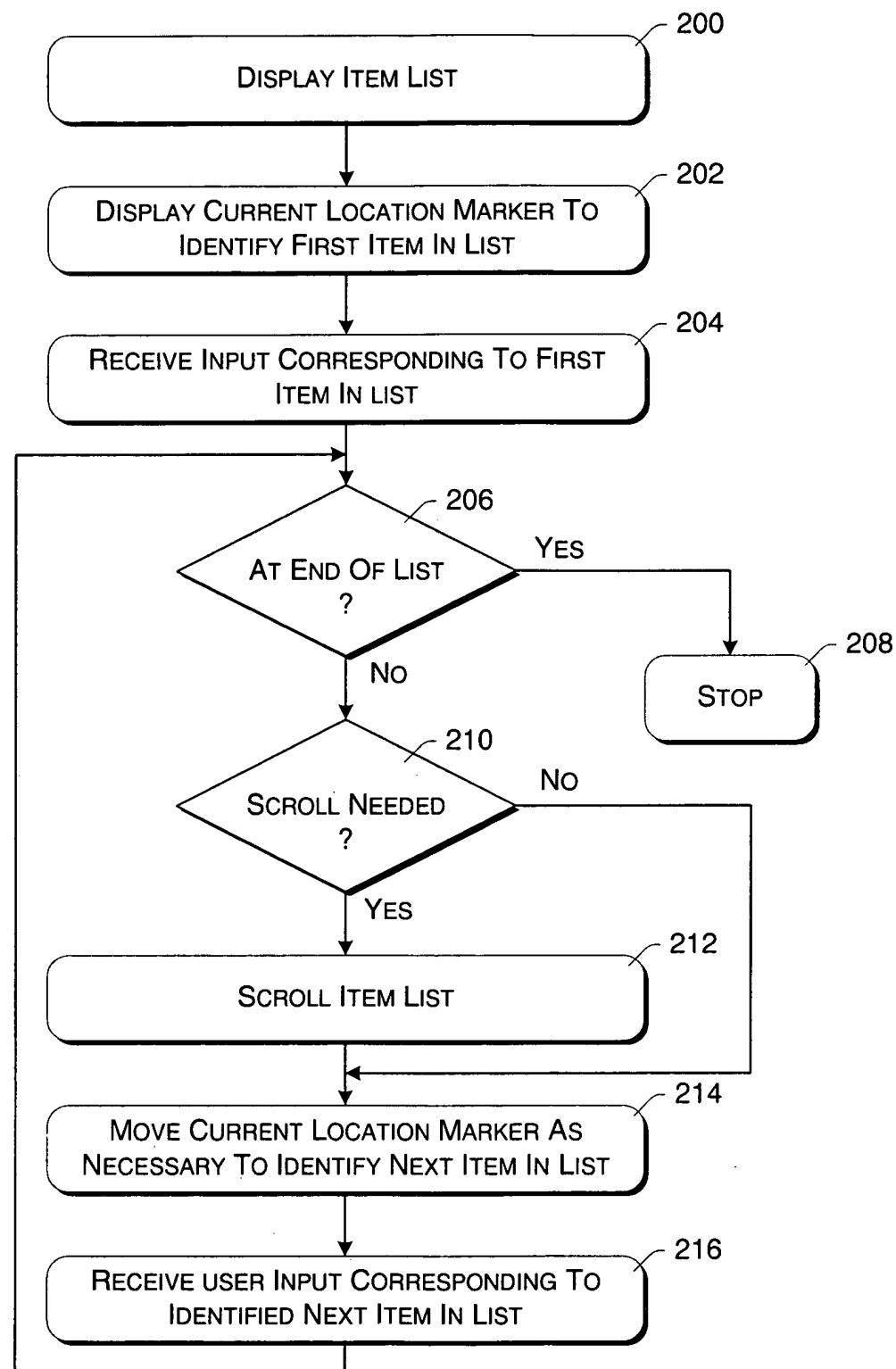


Fig. 5

240

New Inspection	Inspection Info	Comments															
<b>INSPECTION INFO</b>																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33.33%; padding: 5px;">1 Customer Name</td> <td style="width: 33.33%; padding: 5px;">2 Customer Phone</td> <td style="width: 33.33%; padding: 5px;">3 Customer Address</td> </tr> <tr> <td>4 Customer City</td> <td>5 Customer State</td> <td>6 Customer Zip</td> </tr> <tr> <td>7 Inspector Name</td> <td colspan="2">246</td> </tr> <tr> <td>8 Inspection Date</td> <td colspan="2">246</td> </tr> <tr> <td>9 Comments</td> <td colspan="2">246</td> </tr> </table>			1 Customer Name	2 Customer Phone	3 Customer Address	4 Customer City	5 Customer State	6 Customer Zip	7 Inspector Name	246		8 Inspection Date	246		9 Comments	246	
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9 Comments	246																
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Inspector Name: <u></u>	Inspection Date: <u></u>	Comments: <u></u>															

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**Fig. 6**

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Page Up ▲	Customer Name: <u>Bob Smith</u>	Customer Phone: <u>555-1212</u>															
<b>INSPECTION INFO</b>																	
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Comments: <u></u>																	
Page Down ▼																	
<input type="button" value="New Inspection"/> <input type="button" value="Inspection Info"/>																	

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**Fig. 7**

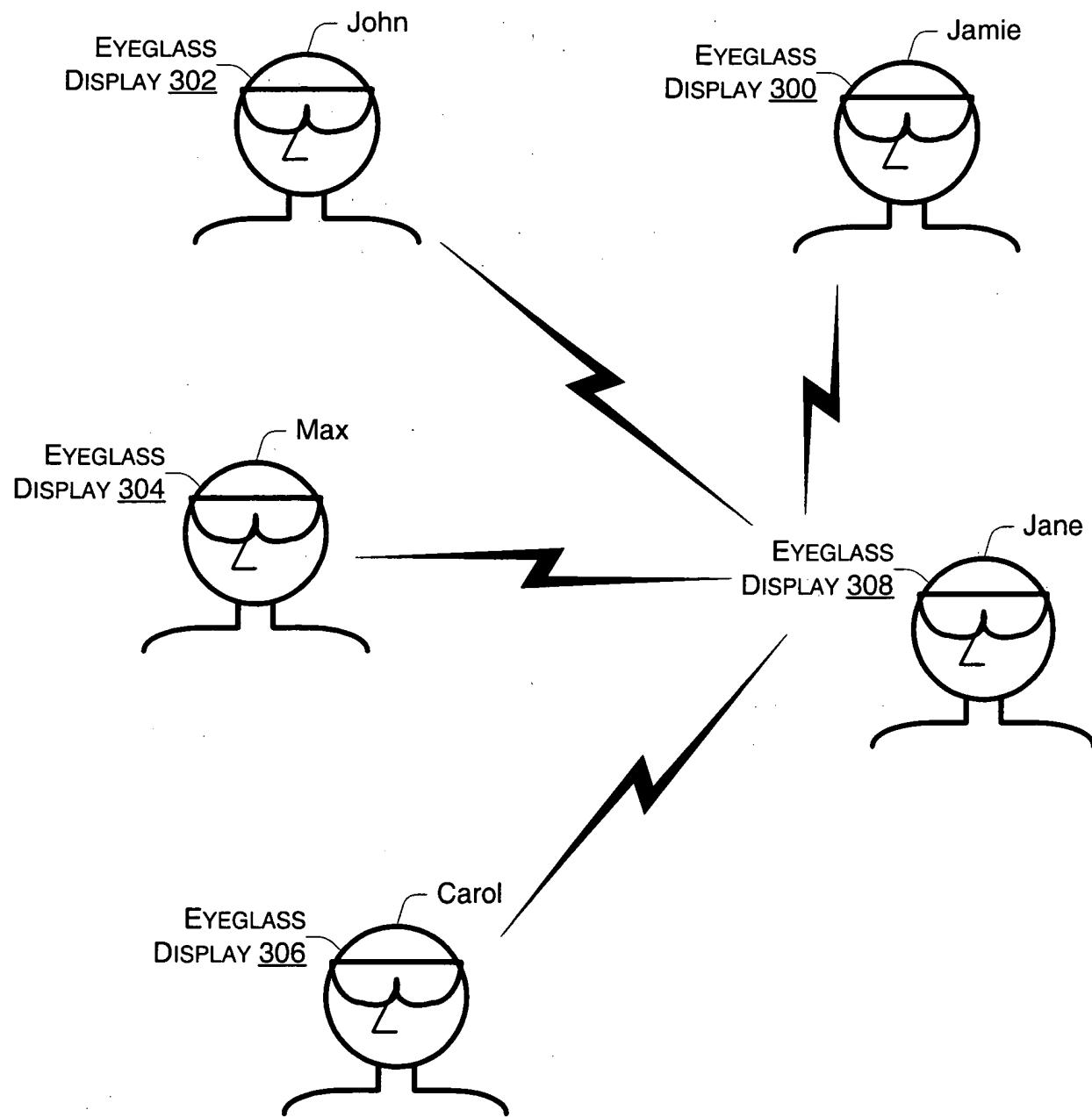


Fig. 8

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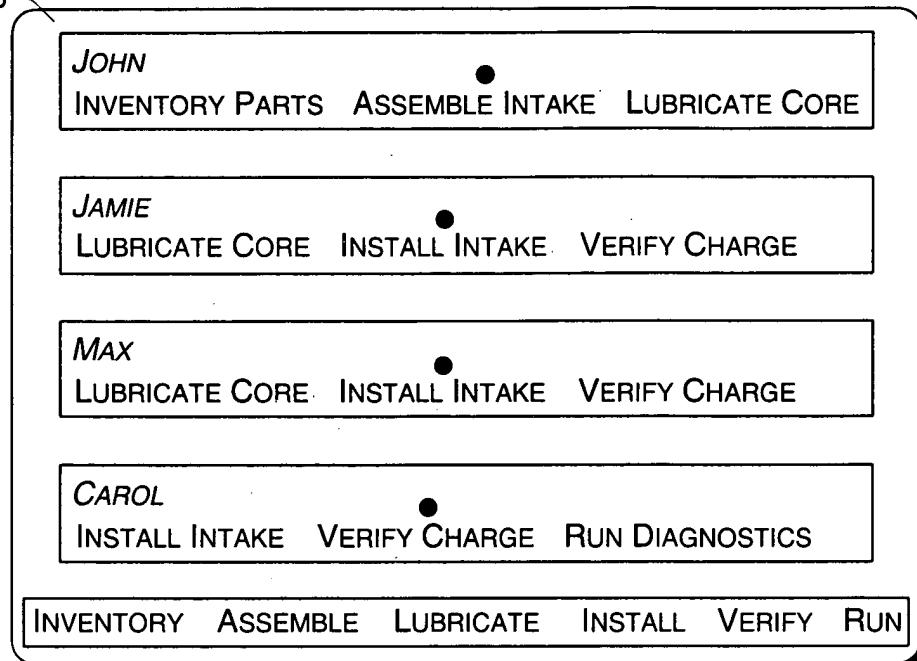


Fig. 9

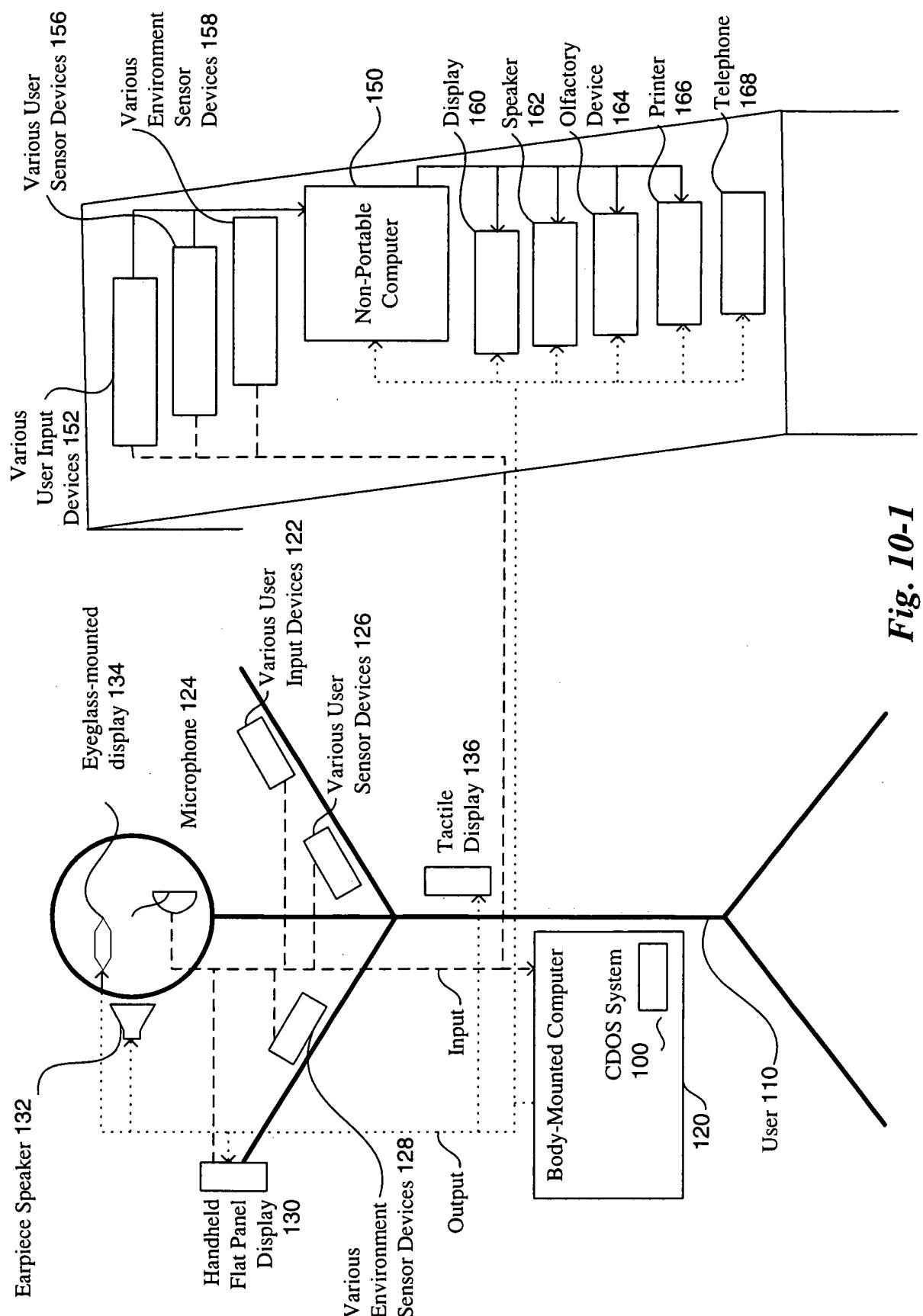
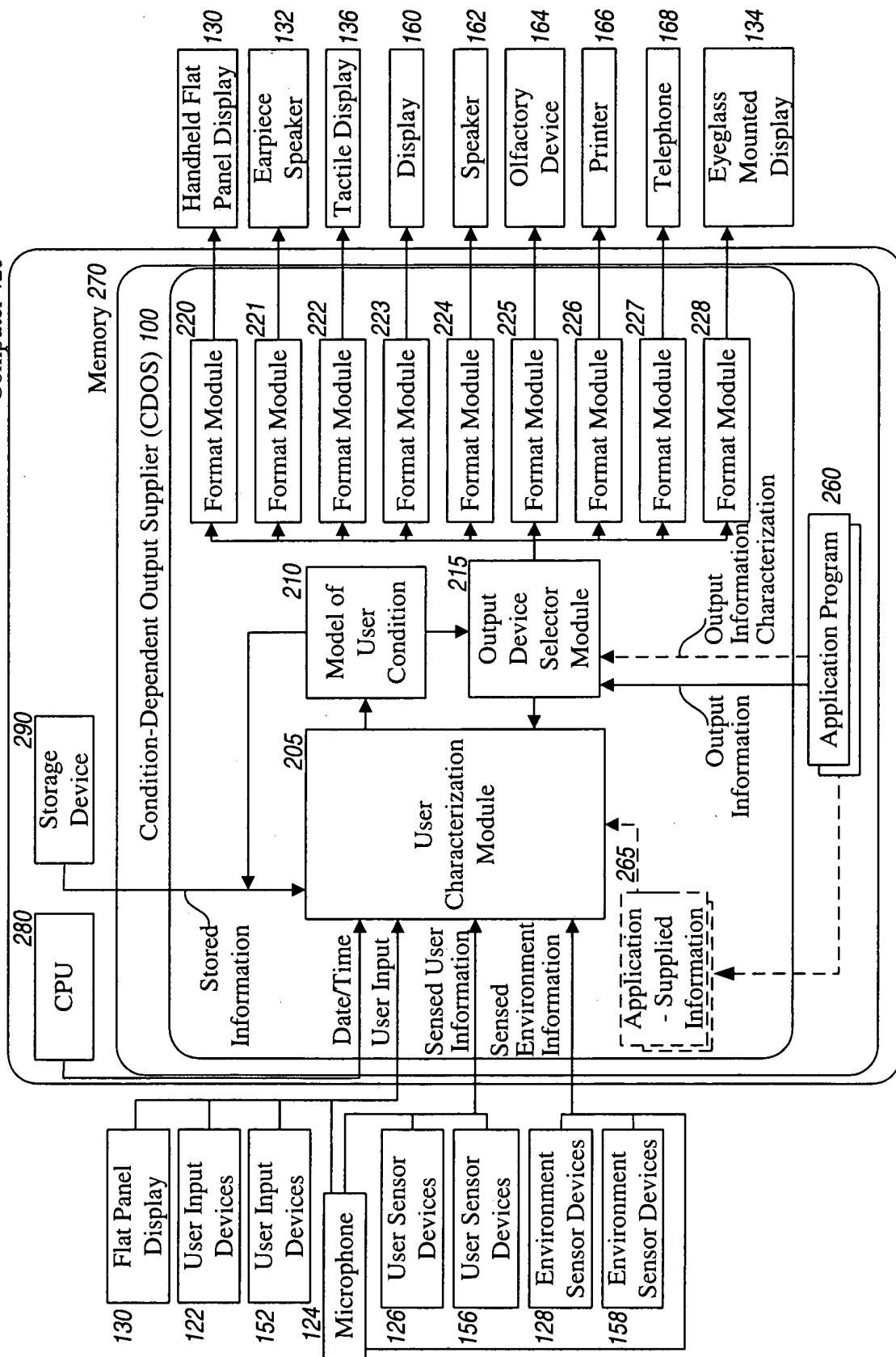


Fig. 10-1

**Fig. 10-2**Body Mounted  
Computer 120

***Fig. 10-3***

Model of User Condition 210

User: X Time: 14:22 Date 10/15/XX		
Latitude	37°55.3' N	
Longitude	95°24.7' W	
Altitude	102'	
Heart Rate	57 beats/minute	
Blood Pressure	125 / 80	
Last User Input	Voice Command "Stop Recording"	
Ambient Temperature	67°F	
Ambient Noise	20 dB	
Location	Office	
Speed	2 MPH	+/- 10%
Nearby Objects	Desk	
Nearby People	Physical: None. Audio: "Doug Smith"	
User Activity	Talking on Cell Phone, Walking	Highly Likely
Cognitive Load	77	
Level of Privacy	Company, Executive	
Scope of Audience	Self	
Application X-Factor 1	Normal: Mean-23, Std Dev 3	
User Format Preference	Visual > Auditory	
User Device Preference	Eyeglass Mounted Display	

**Fig. 10-4**

User Characterization Module 205

User: X

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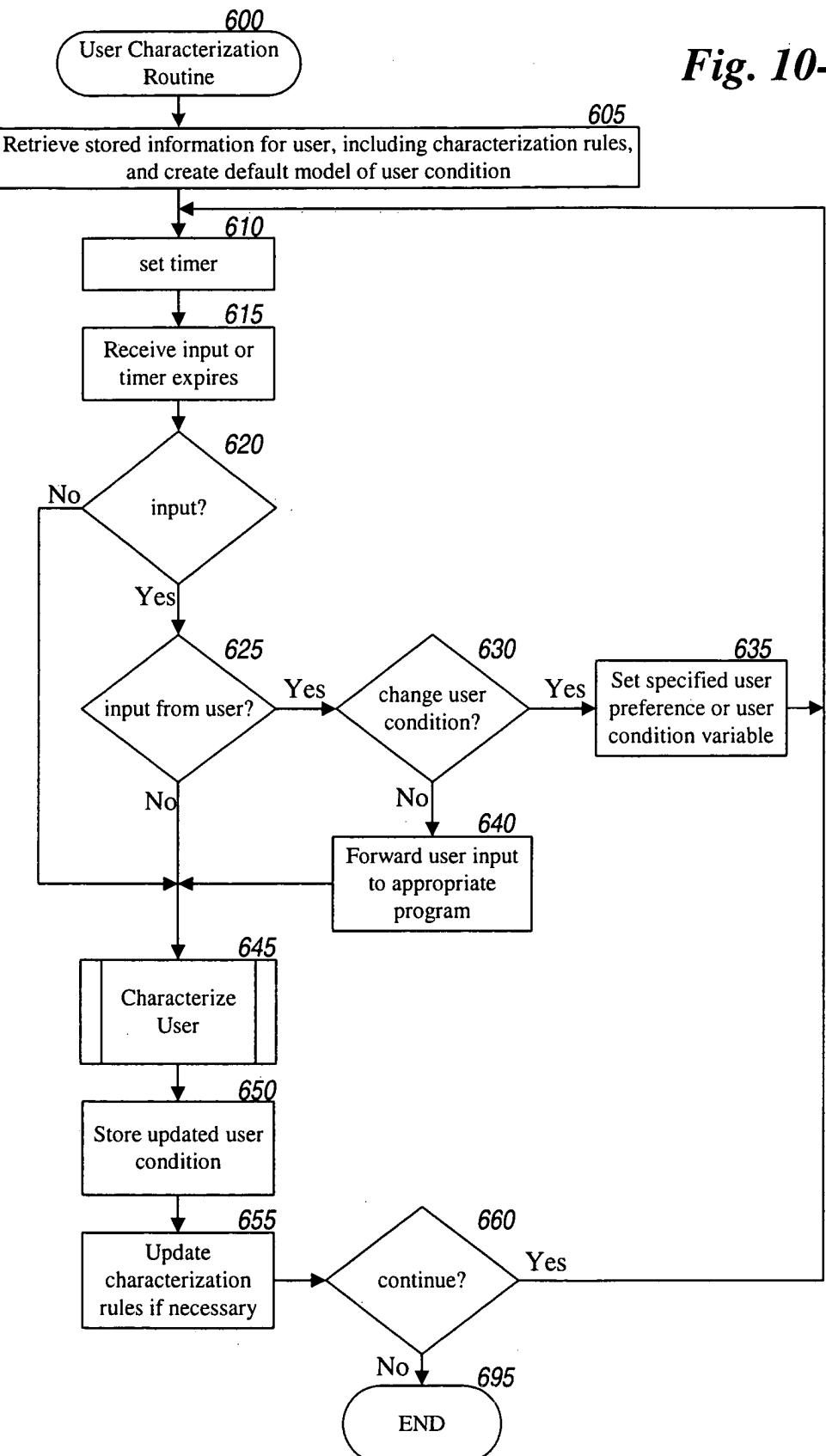
IF <Latitude> ≈ "37° 55.2'N" AND <Longitude> ≈ "95° 24.7'W" THEN <Location> = "Office"
IF <Infrared.Link.To.Desktop> = True THEN <Nearby Objects> Includes "Desk"
IF <Voice.Recognition.ID> <> "X" AND <Speakerphone.Status> = "Disabled"
THEN <Nearby People> Includes ValueOf <Voice.Recognition.ID>
IF <Desktop.Motion.Sensor.Human.Movement> = True AND <User Activity>
Includes "Seated" THEN <Nearby People.Physical> Includes "Unidentified Person"
IF <User Activity> = "Walking" THEN <Cognitive Load> = 20
IF <User Activity> = "Talking *" THEN <Cognitive Load> = 55
IF <User Activity> Includes "Walking" AND <User Activity> Includes
"Talking On Cell Phone" THEN <Cognitive Load> = 77
WHILE <Output.To.User> = True THEN <Cognitive Load> = +10
WHILE <User.Mood> Includes "Angry" THEN <Cognitive Load> = +20%
IF <Nearby People.*> Includes Only [Company Executives] THEN
<Level Of Privacy> Includes "Executive"
IF <Nearby People.*> Includes Only [Company Employees] THEN
<Level of Privacy> Includes "Company"
IF <Nearby People.Physical> = "None" THEN <Scope of Audience> = "Self"
IF <Output.Intrusive.To.Others> = "Likely" THEN <Scope of Audience> = "Self"
AppX:IF <Application X-Factor 1.Mean> > 25 THEN
<Application X Output> = "Undesired" WITH Likelihood "Likely"
IF (<Current.Time> - <Time.Of.Last.User.Input>) > 5 minutes THEN <Interacting.With.Computer>
= False WITH Likelihood "Somewhat Likely"
.
.
.

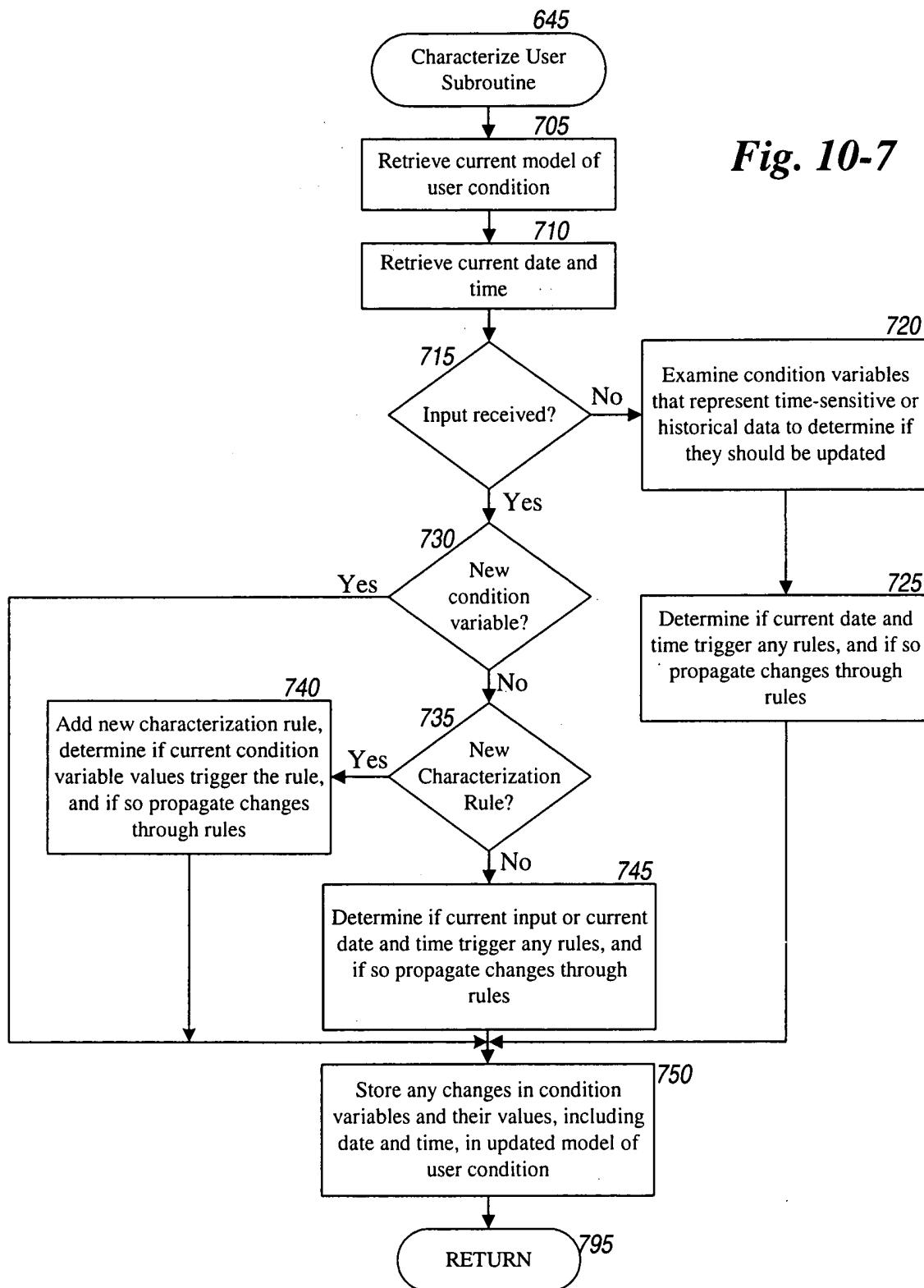
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Fig. 10-5

Output Device Selector Module 215

User: X							
Device	Currently Available	In Use	Supported Senses	Cognitive Load	Level of Privacy	Scope of Audience	Degree of Interruptibility
Handheld Flat Panel Display 130	X		Visual, Audio	Very Low-Medium	All	Self [+3]	Low
Earpiece Speaker 132	X	X	Audio	Very Low-Somewhat High	All	Self	Low-Very High
Eyeglass Mounted Display 134	X		Visual	Very Low-Somewhat Low	All	Self	Medium-High
Tactile Display 136	X		Tactile	Very Low-Very High	All	Self	Very Low-Very High
Display 160	X		Visual	Very Low-Somewhat High	Business, Sensitive	Self +6	Low-Medium
Speaker 162	X		Audio	Low-Somewhat High	Business	Many	Medium-High
Olfactory Device 164	X		Olfactory	Medium-Somewhat High	Close Friends	Many	Very Low-Somewhat Low
Printer 166	X		Visual	Very Low-Very High	Business	Unlimited	Very Low
Telephone 168	X		Audio	Very Low-Medium	Family	Self	High-Very High
Pager 502			Visual, Audio, Tactile	Very Low-High	All	Self	High
Cellular Telephone 504			Audio	Very Low-Medium	Highly Sensitive	Self	Medium-High
Car Radio 506			Audio	Low-Somewhat High	Sensitive	Self + Few	Low-High



**Fig. 10-7**

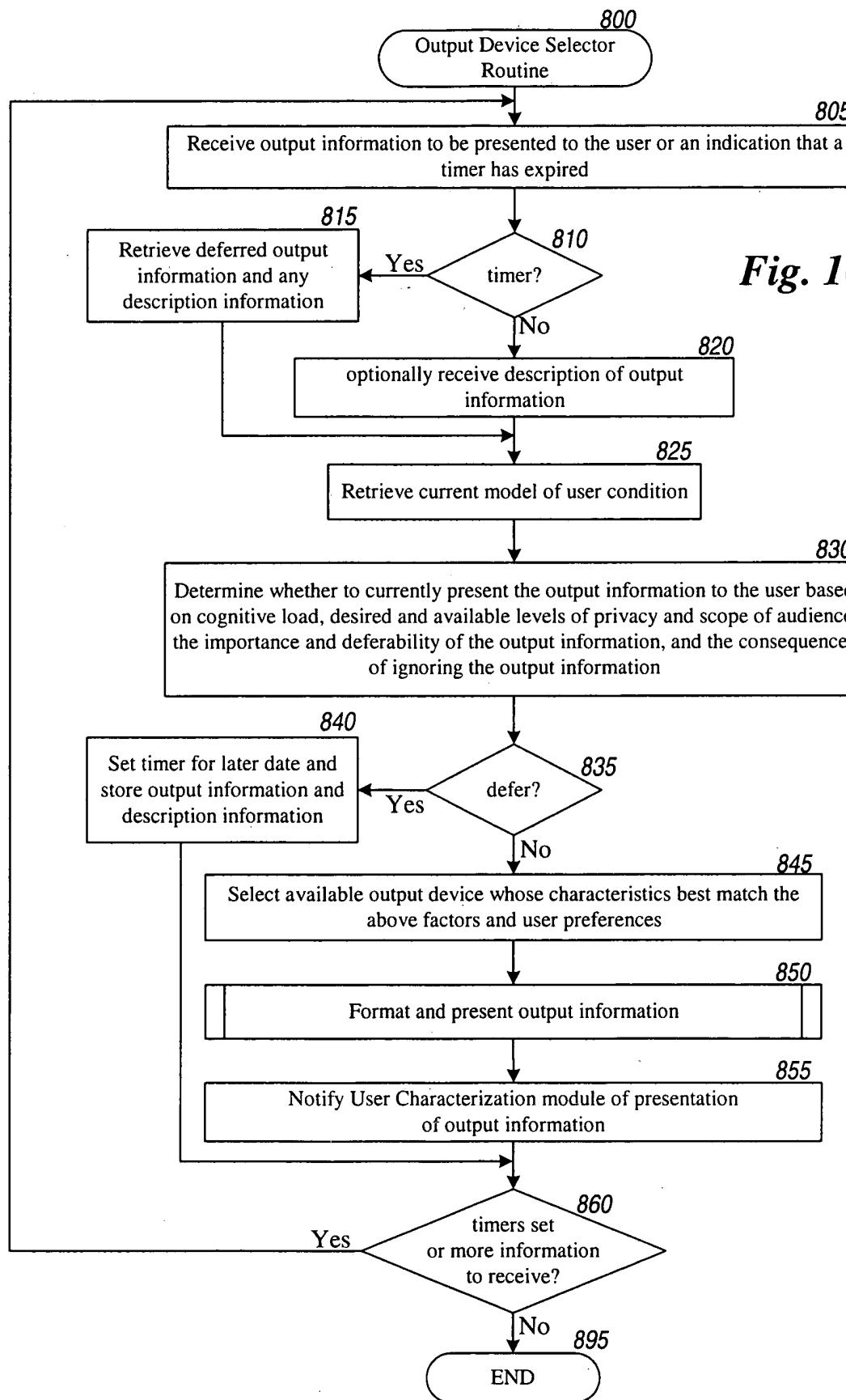


Fig. 10-8

**Fig. 10-9**